



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Rajiv Kumar et al.
Serial No. : 10/824,632
Filed : April 14, 2004
Title : IEX-1 KNOCKOUT ANIMALS

Art Unit : 1632
Examiner : Joanne Hama, Ph.D.

MAIL STOP AMENDMENT

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Applicants request consideration of the references listed on the attached PTO-1449 form. Under 37 C.F.R. § 1.98 (a)(2)(ii), only copies of foreign patent documents and/or non-patent literature are enclosed. Copies of any listed U.S. patents or U.S. patent application publications can be provided upon request.

This statement is being filed after a first Office action on the merits, but before receipt of a final Office action or a Notice of Allowance. A check for \$180 in payment of the late submission fee of §1.17(p) is enclosed. Please apply any other charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

Date: July 11, 2005


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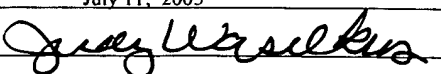
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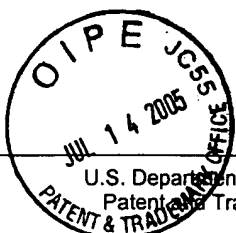
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Substitute Form PTO-1449 (Modified) Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 07039-523001	Application No. 10/824,632
	Applicant Rajiv Kumar et al.		
	Filing Date April 14, 2004	Group Art Unit 1632	

U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	1	5,973,117	10/26/99	Onda et al.			
	2	6,399,316	06/04/02	Onda et al.			

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
	3	Barbee et al., "Hemodynamics in Transgenic Mice With Overexpression of Atrial Natriuretic Factor," <u>Circ. Res.</u> , 1994, 74:747-751
	4	Chan and Fiscus, "Guanylyl cyclase inhibitors NS2028 and ODQ and protein kinase G (PKG) inhibitor KT5823 trigger apoptotic DNA fragmentation in immortalized uterine epithelial cells: anti-apoptotic effects of basal cGMP/PKG," <u>Mol. Hum. Reprod.</u> , 2003, 9(12):775-783
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	8	De Keulenaer et al., "Identification of IEX-1 as a Biomechanically Controlled Nuclear Factor- κ B Target Gene That Inhibits Cardiomyocyte Hypertrophy," <u>Circulation Research</u> , 2002, 90:690-696
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	12	Fiscus et al., "CGRP Release and Synergistic Interactions with Nitric Oxide: Implications for Pathogenesis of Septic Shock and the Vascular Problems of Diabetes Mellitus and Aging," <u>TheScientificWorld</u> , 2001, 1(S1):2, Abstract
	13	Gryniewicz et al., "A New Generation of Ca^{2+} Indicators with Greatly Improved Fluorescence Properties," <u>J. Biol. Chem.</u> , 1985, 260(6):3440-3450
	14	Hart et al., "Effects of avertin versus xylazine-ketamine anesthesia on cardiac function in normal mice," <u>Am. J. Physiol. Heart Circ. Physiol.</u> , 2001, 281:H1938-H1945
	15	Hosogai et al., "Phosphodiesterase type 5 inhibition ameliorates nephrotoxicity induced by cyclosporin A in spontaneous hypertensive rats," <u>Eur. J. Pharmacol.</u> , 2003, 477:171-178
	16	Im et al., "Characterization of a novel hexameric repeat DNA sequence in the promoter of the immediate early gene, IEX-1, that mediates $1\alpha,25$ -dihydroxyvitamin D_3 -associated IEX-1 gene repression," <u>Oncogene</u> , 2002, 21:3706-3714

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

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	17	Im et al., "Divergent Regulation of the Growth-promoting Gene <i>IEX-1</i> by the p53 Tumor Suppressor and Sp1," <u>J. Biol. Chem.</u> , 2002, 277(17):14612-14621
	18	Knowles et al., "Pressure-independent enhancement of cardiac hypertrophy in natriuretic peptide receptor A-deficient mice," <u>J. Clin. Invest.</u> , 2001, 107:975-984
	19	Kondratyev et al., "Identification and characterization of a radiation-inducible glycosylated human early-response gene," <u>Cancer Res.</u> , 1996, 56(7):1498-1502
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	21	Kumar et al., "A Novel Immediate Early Response Gene, IEX-1, Is Induced by Ultraviolet Radiation in Human Keratinocytes," <u>Biochem. Biophys. Res. Commun.</u> , 1998, 253:336-341
	22	Laemmli, "Cleavage of Structural Proteins during the Assembly of the Head of Bacteriophage T4," <u>Nature</u> , 1970, 227:680-685
	23	Lehoux and Tedgui, "All Strain, No Gain: Stretch Keeps Proliferation at Bay via the NF- κ B Response Gene <i>ix-1</i> ," <u>Circ. Res.</u> , 2003, 93:1139-1141
	24	Li et al., "Targeted Mutation of the DNA Methyltransferase Gene Results in Embryonic Lethality," <u>Cell</u> , 1992, 69:915-926
	25	Lutz et al., "Calbindin D _{28K} interacts with Ran-binding protein M: identification of interacting domains by NMR spectroscopy," <u>Biochem. Biophys. Res. Commun.</u> , 2003, 303:1186-1192
	26	Matsubara et al., "Logistic Time Constant of Isovolumic Relaxation Pressure-Time Curve in the Canine Left Ventricle. Better Alternative to Exponential Time Constant," <u>Circulation</u> , 1995, 92:2318-2326
	27	Ohki et al., "Identification of mechanically induced genes in human monocytic cells by DNA microarrays," <u>J. Hypertens.</u> , 2002, 20:685-691
	28	Ortiz et al., "Role of Endothelin and Isoprostanes in Slow Pressor Responses to Angiotensin II," <u>Hypertension</u> , 2001, 37:505-510
	29	Pietzsch et al., "Genomic Organization, Promoter Cloning, and Chromosomal Localization of the Dif-2 Gene," <u>Biochem. Biophys. Res. Commun.</u> , 1998, 245:651-657
	30	Ray et al., "Isolation of vascular smooth muscle cells from a single murine aorta," <u>Methods Cell Sci.</u> , 2002, 23:185-188
	31	Sanger et al., "DNA Sequencing with Chain-terminating Inhibitors," <u>Proc. Natl. Acad. Sci. USA</u> , 1977, 74(12):5463-5467
	32	Schäfer et al., "Human PACAP Response Gene 1 (p22/PRG1): Proliferation-Associated Expression in Pancreatic Carcinoma Cells," <u>Pancreas</u> , 1999, 18(4):378-384
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	36	Taylor et al., "Altered Expression of Small-Conductance Ca ²⁺ -Activated K ⁺ (SK3) Channels Modulates Arterial Tone and Blood Pressure," <u>Circ. Res.</u> , 2003, 93:124-131

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	37	Thomas and Capecchi, "Site-Directed Mutagenesis by Gene Targeting in Mouse Embryo-Derived Stem Cells," <u>Cell</u> , 1987, 51:503-512
	38	Thompson and Appleman, "Multiple Cyclic Nucleotide Phosphodiesterase Activities from Rat Brain," <u>Biochemistry</u> , 1971, 10(2):311-316
	39	Towbin et al., "Electrophoretic transfer of proteins from polyacrylamide gels to nitrocellulose sheets: Procedure and some applications," <u>Proc. Natl. Acad. Sci. USA</u> , 1979, 76(9):4350-4354
	40	Tsuneyoshi et al., "Ca ²⁺ - and Myosin Phosphorylation-independent Relaxation by Halothane in K ⁺ -depolarized Rat Mesenteric Arteries," <u>Anesthesiology</u> , 2003, 99:656-665
	41	van Deursen, "Gene Targeting in Mouse Embryonic Stem Cells," <u>Meth. Mol. Biol.--Transgenic Mouse Methods and Protocols</u> , 1994, 209:145-158
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	43	Weiss et al., "Hemodynamic Determinants of the Time-Course of Fall in Canine Left Ventricular Pressure," <u>J. Clin. Invest.</u> , 1976, 58:751-760
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